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DEC 11 2006

Atty. Docket No.: Q86241  
PATENT APPLICATIONAMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Application No.: 10/521,178**REMARKS**

Claims 1-4, and 8-16 are all the claims pending in the application. Claims 1-3 and 11-13 have been withdrawn from consideration. Claims 14-16 have been newly added to depend from allowable claim 4.

Submitted herewith is a replacement drawing sheet and a marked-up drawing sheet adding the legend "Prior Art" to Figure 16A.

Claims 4-10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Applicant's Admitted Prior Art (AAPA). Claims 4, 5 and 10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Ito et al (U.S. Patent No. 5,964,016). Claims 4, 5 and 10 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ito, in view of Jensen (U.S. Patent No. 6,122,824). Claims 5 - 10 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ito in view of Iriguchi (U.S. Patent No. 6,604,015). Claims 5 - 10 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ito in view of Jensen and Iriguchi. Claims 5 - 10 are rejected under 35 U.S.C. § 103(a) as being unpatentable over AAPA in view of Iriguchi. Claims 7 - 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ito in view of Jensen and Lowe (U.S. Patent No. 6,077,002). Claims 7 - 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ito in view of Lowe.

Applicant thanks the Examiner for the thorough examination of this case and for the detailed application of the prior art to the pending claims. Applicant has elected to amend claim 4 to clearly distinguish from the cited art and/or any combination thereof. Notably, claim 4 now recites that the groove is made in two steps. Claim 4 further recites:

*first step of roughly cutting the groove on the outer surface of the workpiece using a tool having an end mill and a round end mill, and a second step of shaving the left, right and bottom surfaces of the groove, wherein a shaving bit having two blades set at different angles is used for shaving the left surface and right surface, respectively, and a round bit is used for shaving the bottom surface*

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Applicant respectfully submits that claim 4 as currently amended clearly distinguishes from the cited art. Additionally, the remaining claims depend from claim 4 and are, therefore, allowable by definition. The newly added claim depend from claim 4 as well and are, therefore, allowable by definition.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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Date: December 11, 2006

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this AMENDMENT UNDER 37 C.F.R. § 1.111 is being facsimile transmitted to the U.S. Patent and Trademark Office this 11th day of December 2006.



Sarah K. Flohr

Atty. Docket No. Q86241; Inventor: Kiyoharu YONEMARU.; Filed: January 14, 2005  
Title: DEVICE AND METHOD FOR PROCESSING SCREW ROTOR, AND CUTTING TOOL  
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## MARKED-UP DRAWING SHEET

FIG. 16 (A)  
PRIOR ART

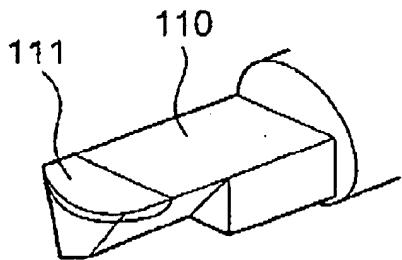


FIG. 16 (B)

